	Approved For Pelease 2005/02/10 : CIA-RDP78B0474740011000200)12-5	
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	December 17, 1968		
TATINTL			* 1.4 ******
	P.O. Box 8031 South West Station Washington, D. C. 20024		r M
	Dear Paul:		
	I have returned from my trip and land the following remarks to make.	have	STATINT
	1. The stereo comparator is indeed a treme complicated system.	ndous:	Ly
	2. I completely agree with that optical system would have cost a fortune in the U.S. is even doubtful if any optical company would have be to complete it with the time schedule planned. The would probably run from three to five times as much.	A. I een al	
	3. I quizzed the designers at length about system and was satisfied that they were very compete perienced, and had put a great deal of effort into the and were also deeply involved in the building of the	nt, e e des	rgu.
	4. I was not able to find any obvious thin had overlooked. I was surprised with how much they to have reduced the secondary color, but I concluded was due to their using FK50. I have always consider glass to be too exotic to use in a practical design.	that ed th It	ea it is
W 1	many difficult properties, such as easy to crack, state easily, and tends to have striae. I questioned them deal about this glass and they didn't seem to think problem. They also claimed they could coat it with culty. I hope they are right and that my fears are	it wa no di	ffi-

wait and see.

fied. It is too late now to change; it will be necessary to

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- them at length about coatings. They were somewhat vague about this and indicated that they planned to use some three-layer coatings. I warned them that three-layer coatings can absorb badly in the blue end of the spectrum. They could also scatter light badly. I was not sure that three-layer coatings should be used unless they were sure that they were done by experts. They said they planned to use ______ to do their STATINTL coatings. This is an excellent company and should do a good job.
- 6. Everything about was old-fashioned, but STATINTL probably adequate. Their rooms and working quarters were dismal and poorly lighted. Their workers were old and decreption. They will not be able to continue optics much longer without a major overhaul. Modern young people will not work under such conditions.

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- 7. is an exceptionally fine engineer and the whole project rests on his skill in working with these people. If it were not for him, I would give you a dim chance of ever realizing that instrument. You better take good care of him and treat him well. I was really impressed with him. He has things very much under control. Thank goodness I am not under his control. He is a taskmaster.
- 8. I am very sorry that an instrument of this complexity could not have been made in the U.S.A. I believe we must find a way to do so. I feel badly that we are encouraging the exploitation of people for this kind of work. We should have exploited machines. I admit it would have cost much more, but if handled properly, it would have cut future costs.

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9. I could not recommend doing this again on future instruments, particularly if you don't have ______ I predict this would have been a disaster without him.

I would also like to report to you on two items pertaining to my last visit to your laboratory.

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	Page 3.			
	I read a report on believe you should be carefu report on the color correcti poor. Many of the statement	al about the on of the object were wrong		7
	curves they showed were inco	rrect. Their	conclusions abo	out
	chromatic correction.	•		STATINTI
TATINTL	I was particularly for the pin hole. They refe	disturbed by	the illuminator	
	25 Heft 1. 1967. I looked a	at this paper	and it is okay, 't make sense.	but
	I wish you would so densitometer optics. I belingoods and that it should be know better also.	ieve you have	rameters on the been sold a bill shoul	l of .
	know better also.	Sincerely,		STATINTI
		Sincerery,		
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